

DESCRIPTION OF A FOSSIL LORICA FROM NORTH-  
WESTERN TASMANIA.

By A. F. BASSET HULL.

[MOLLUSCA: *Polyplacophora* ]

(Plate xvii., figs. 1-2.)

LORICA DUNIANA, n.sp.

One example of median valve.

Shell elevated, carinated, deeply decussated throughout. Lateral areas: strongly raised, ornamented with four, increasing at the sutural edge to seven, radial rows of large flattened pustules. A well defined row of ocelli follows the front ridge of the area. Central area: longitudinally ribbed with about 25 strong nodulose ridges, with broad interspaces gradually increasing in width towards the insertion-plates, and diminishing in height over the jugal tract. Dimensions: width 25 mm.

Insertion-plates are missing, but there is an indication of one slit.

Remarks.—This species is allied to *L. affinis* Ashby and Torr,\* but is distinguishable from that species by the wider interspaces in the central area, and the larger pustules and number of rows on the lateral areas. It is also allied to the living species, *L. volvox* Reeve, (New South Wales, South Australia, etc.) but differs from that species in the number of ribs on the central area, and the distribution of pustules.

This fossil Chiton was collected by Mr. W. S. Dun, from the base of the Turritella Sandstone, at the foot of a bluff between

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\* Ashby, E., and Torr, W. G., "Fossil Polyplacophora from Eocene Beds of Muddy Creek, Mornington (Schnapper Point) and Moorabool, Victoria. Trans. Roy. Soc. of South Australia, 1901, p. 137, pl. iv., fig. 7.

Wynyard and Table Cape, North-west coast of Tasmania. Mr. Dun adds: "These beds are referred by Hall and Pritchard to the Jan-Jukian, that is to say they are near the base of the Tertiary as developed in Southern Australia. Victorian geologists correlate them with the marine series at Spring Creek. The Eocene age attributed to these beds must be regarded as purely relative."

I have much pleasure in associating this species with the discoverer. Type in the Australian Museum.

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EXPLANATION OF PLATE XVII., FIGS. 1-2.

Fig.1.—*Lorica duniana*: one-half valve (median); insertion plate "restored."

Fig.2.—*Lorica volvox* Reeve: corresponding one-half valve for comparison.

Both much magnified.